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predicted properties as well as tags indicating availability of  
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<http://www.cas.org/ONLINE/UG/regprops.html>

=>  
Uploading C:\Program Files\Stnexp\Queries\1,4-dicyclopropy1,3butadiyne.str

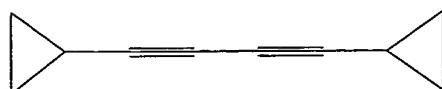


chain nodes :  
4 5 6 7  
ring nodes :  
1 2 3 8 9 10  
chain bonds :  
2-4 4-5 5-6 6-7 7-8  
ring bonds :  
1-2 1-3 2-3 8-9 8-10 9-10  
exact/norm bonds :  
1-2 1-3 2-3 8-9 8-10 9-10  
exact bonds :  
2-4 4-5 5-6 6-7 7-8

Match level :  
1:Atom 2:Atom 3:Atom 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:Atom 9:Atom 10:Atom

L1 STRUCTURE UPLOADED

=> d L1  
L1 HAS NO ANSWERS  
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s L1 full  
FULL SEARCH INITIATED 17:30:48 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 8990 TO ITERATE

100.0% PROCESSED 8990 ITERATIONS  
SEARCH TIME: 00.00.01

38 ANSWERS

L2 38 SEA SSS FUL L1

=> file caplus  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
FULL ESTIMATED COST ENTRY SESSION  
166.94 167.15

FILE 'CAPLUS' ENTERED AT 17:30:57 ON 11 SEP 2006  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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FILE COVERS 1907 - 11 Sep 2006 VOL 145 ISS 12  
FILE LAST UPDATED: 10 Sep 2006 (20060910/ED)

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=> s L2 fhit ibib abs  
MISSING OPERATOR L2 FHIT  
The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s L2  
L3 23 L2

=> d L3 1-23

L3 ANSWER 1 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2003:42223 CAPLUS  
DN 138:109213  
TI Metal carboxylate-amine complexes as catalysts for imparting hypergolicity to rocket fuels in presence of hydrogen peroxide  
IN Dobbins, Thomas A.; Wiley, David B.  
PA Wiley Organics, Inc., USA  
SO PCT Int. Appl., 17 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1  
PATENT NO. KIND DATE APPLICATION NO. DATE  
----- ----- -----  
PI WO 2003004443 A2 20030116 WO 2002-US20587 20020627

WO 2003004443 A3 20031016

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

TMÉDÁ

US 2003015268 A1 20030123 US 2002-180210 20020626

US 7083690 B2 20060801

GB 2392442 A1 20040303 GB 2004-257 20020627

GB 2392442 B2 20051012

PRAI US 2001-302729P P 20010703

US 2001-344715P P 20011024

WO 2002-US20587 W 20020627

L3 ANSWER 2 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2002:577357 CAPLUS  
 DN 138:55672  
 TI Completely spirocyclopropanated macrocyclic oligodiacylenes and their permethylated analogues: preparation and properties  
 AU De Meijere, Armin; Kozhushkov, Sergei I.  
 CS Institut fur Organische Chemie der Georg-August-Universitat Gottingen, Gottingen, 37077, Germany  
 SO Chemistry--A European Journal (2002), 8(14), 3195-3202  
 CODEN: CEUJED; ISSN: 0947-6539  
 PB Wiley-VCH Verlag GmbH  
 DT Journal  
 LA English  
 OS CASREACT 138:55672  
 RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2000:540665 CAPLUS  
 DN 133:266292  
 TI Synthesis of 1,3-Diynes via Palladium-Catalyzed Reaction of 1,1-Dibromo-1-alkenes  
 AU Shen, Wang; Thomas, Sheela A.  
 CS Department D4N6 Cancer Research Pharmaceutical Products Division, Abbott Laboratories, Abbott Park, IL, 60064-6101, USA  
 SO Organic Letters (2000), 2(18), 2857-2860  
 CODEN: ORLEF7; ISSN: 1523-7060  
 PB American Chemical Society  
 DT Journal  
 LA English  
 OS CASREACT 133:266292  
 RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1999:74333 CAPLUS  
 DN 130:202095  
 TI Redox properties of functionalized fullerenes  
 AU Boudon, Corinne; Gisselbrecht, Jean-Paul; Gross, Maurice; Cardullo, Francesca; Seiler, Paul; Isaacs, Lyle; Nierengarten, Jean-Francois; Haldimann, Richard F.; Diederich, Francois; Mordasini-Denti, Tiziana; Thiel, Walter  
 CS Laboratoire d'electrochimie et de chimie physique du corps solide, C.N.R.S.-U.M.R. 7512 - Universite Louis Pasteur, Strasbourg, Fr.  
 SO Canadian Journal of Chemical Engineering (1998), 76(6), 1008-1012  
 CODEN: CJCEA7; ISSN: 0008-4034

PB Canadian Society for Chemical Engineering  
DT Journal  
LA French  
RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1998:223266 CAPLUS  
DN 128:316543  
TI A copper(I)-complexed rotaxane with two fullerene stoppers: synthesis, electrochemistry, and photoinduced processes  
AU Armaroli, Nicola; Diederich, Francois; Dietrich-Buchecker, Christiane O.; Flamigni, Lucia; Marconi, Giancarlo; Nierengarten, Jean-Francois; Sauvage, Jean-Pierre  
CS Istituto di Fotochimica e Radiazioni d'Alta Energia del CNR, Bologna, I-40129, Italy  
SO Chemistry--A European Journal (1998), 4(3), 406-416  
CODEN: CEUJED; ISSN: 0947-6539  
PB Wiley-VCH Verlag GmbH  
DT Journal  
LA English  
RE.CNT 125 THERE ARE 125 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 6 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1996:212770 CAPLUS  
DN 124:342817  
TI Fullerene-acetylene hybrids: towards a novel class of molecular carbon allotropes  
AU Timmerman, Peter; Anderson, Harry L.; Faust, Ruediger; Nierengarten, Jean-Francois; Habicher, Tilo; Seiler, Paul; Diederich, Francois  
CS Lab. Org. Chem., ETH-Zentrum, Zurich, CH-8092, Switz.  
SO Tetrahedron (1996), 52(14), 4925-47  
CODEN: TETRAB; ISSN: 0040-4020  
PB Elsevier  
DT Journal  
LA English  
OS CASREACT 124:342817

L3 ANSWER 7 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1995:834683 CAPLUS  
DN 124:69578  
TI Electrochemistry of mono- through hexakis-adducts of C<sub>60</sub>  
AU Boudon, Corinne; Gisselbrecht, Jean-Paul; Gross, Maurice; Isaacs, Lyle; Anderson, Harry L.; Faust, Ruediger; Diederich, Francois  
CS Faculte Chimie, Universite Louis Pasteur, Strasbourg, F-67008, Fr.  
SO Helvetica Chimica Acta (1995), 78(5), 1334-44  
CODEN: HCACAV; ISSN: 0018-019X  
PB Verlag Helvetica Chimica Acta  
DT Journal  
LA English

L3 ANSWER 8 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1995:597863 CAPLUS  
DN 123:285269  
TI Synthesis of alkenyl- and alkynylcyclopropenes  
AU Haley, Michael M.; Biggs, Bluegrass; Looney, Will A.; Gilbertson, Robert D.  
CS Dep. of Chemistry, Univ. of Oregon, Eugene, OR, 97403, USA  
SO Tetrahedron Letters (1995), 36(20), 3457-60  
CODEN: TELEAY; ISSN: 0040-4039  
PB Elsevier  
DT Journal  
LA English  
OS CASREACT 123:285269

*TMEDA/cucl. for dimerizn.*

L3 ANSWER 9 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1995:580037 CAPLUS  
DN 123:256214  
TI Completely spirocyclopropanated macrocyclic oligodiacylenes: the family of "exploding" [n]rotanes  
AU de Meijere, Armin; Kozhushkov, Sergei; Haumann, Thomas; Boese, Roland; Puls, Carsten; Cooney, Mark J.; Scott, Lawrence T.  
CS Inst. Org. Chemie, Georg-August-Univ., Goettingen, D-37077, Germany  
SO Chemistry--A European Journal (1995), 1(2), 124-31 Published in:  
Angew. Chem., Int. Ed. Engl., 34(9)  
CODEN: CEUJED; ISSN: 0947-6539  
PB VCH  
DT Journal  
LA English

L3 ANSWER 10 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1995:546520 CAPLUS  
DN 123:111642  
TI Fullerene-acetylene hybrids: path to new synthetic molecular carbon allotropes  
AU Anderson, Harry L.; Faust, Ruediger; Rubin, Yves; Diederich, Francois  
CS Lab. Organische Chem., ETH Zentrum Univ., Zurich, CH-8092, Switz.  
SO Angewandte Chemie (1994), 106(13), 1427-9  
CODEN: ANCEAD; ISSN: 0044-8249  
PB VCH  
DT Journal  
LA German  
OS CASREACT 123:111642

L3 ANSWER 11 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1995:521991 CAPLUS  
DN 123:33035  
TI The reactivity of 1,3-butadiyne moieties in the "exploding" [n]rotanes - a crown of thiophenes  
AU Kozhushkov, Sergei; Haumann, Thomas; Boese, Roland; Knieriem, Burkhardt; Scheib, Stefan; Baeuerle, Peter; de Meijere, Armin  
CS Institut Organische Chemie Universitaet Goettingen, Goettingen, D-37077, Germany  
SO Angewandte Chemie, International Edition in English (1995), 34(7), 781-3  
CODEN: ACIEAY; ISSN: 0570-0833  
PB VCH  
DT Journal  
LA English

L3 ANSWER 12 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1995:510099 CAPLUS  
DN 122:305209  
TI A copper(I)-complexed rotaxane with two fullerene stoppers  
AU Diederich, Francois; Dietrich-Buchecker, Christiane; Nierengarten, Jean-Francois; Sauvage, Jean-Pierre  
CS Lab. fuer Org. Chem., ETH-Zentrum, Zuerich, CH-8092, Switz.  
SO Journal of the Chemical Society, Chemical Communications (1995), (7), 781-2  
CODEN: JCCCAT; ISSN: 0022-4936  
PB Royal Society of Chemistry  
DT Journal  
LA English

L3 ANSWER 13 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1995:130752 CAPLUS  
DN 122:159971  
TI Enhancement of Through-Space and Through-Bond  $\pi$ -Orbital Interactions. Syntheses and Properties of Permethylated and Perspirocyclopropanated Cyclotetradeca-1,3,6,9,12-pentayne

AU Scott, Lawrence T.; Cooney, Mark J.; Otte, Carola; Puls, Carsten; Haumann, Thomas; Boese, Roland; Smith, Amos B., III; Carroll, Patrick J.; de Meijere, Armin  
CS Department of Chemistry, Boston College, Chestnut Hill, MA, 02167-3860, USA  
SO Journal of the American Chemical Society (1994), 116(22), 10275-83  
CODEN: JACSAT; ISSN: 0002-7863  
DT Journal  
LA English  
OS CASREACT 122:159971

L3 ANSWER 14 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1995:20353 CAPLUS  
DN 123:55394

TI Cyclopropyl building blocks for organic synthesis. 25. Palladium(0)-catalyzed coupling reactions of 2-alkoxy-1-ethynylcyclopropanes with aryl and ethenyl halides: preparation of cyclopropyl substituted ethynylarenes, enynes and enediynes

AU McGaffin, Gregory; de Meijere, Armin  
CS Inst. fuer Org. Chem., Georg-August-Univ., Goettingen, D-37077, Germany  
SO Synthesis (1994), (6), 583-91  
CODEN: SYNTBF; ISSN: 0039-7881  
DT Journal  
LA English  
OS CASREACT 123:55394

L3 ANSWER 15 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1994:457031 CAPLUS  
DN 121:57031

TI Hexaspiro[2.4.2.4.2.4.2.4.2.4]dotetraconta-4,6,11,13,18,20,25,27,34,39.41-dodecayne, an exploding [6]rotane  
AU de Meijere, Armin; Kozhushkov, Sergei; Puls, Carsten; Haumann, Thomas; Boese, Roland; Cooney, Mark J.; Scott, Lawrence T.  
CS Inst. Org. Chem., Univ. Goettingen, Goettingen, D-37077, Germany  
SO Angewandte Chemie (1994), 106(8), 934-6 (See also Angew. Chem., Int. Ed. Engl., 1994, 33(8), 869-71)  
CODEN: ANCEAD; ISSN: 0044-8249

DT Journal  
LA German

L3 ANSWER 16 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1992:621141 CAPLUS  
DN 117:221141

TI Standard heats of formation of diacetylene derivatives  
AU Luk'yanova, V. A.; Pimenova, S. M.; Timofeeva, L. P.; Kozina, M. P.; Kolesov, V. P.; Tarakanova, A. V.  
CS Mosk. Gos. Univ., Moscow, Russia  
SO Zhurnal Fizicheskoi Khimii (1992), 66(8), 2031-5  
CODEN: ZFKHA9; ISSN: 0044-4537

DT Journal  
LA Russian

L3 ANSWER 17 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1992:40820 CAPLUS  
DN 116:40820

TI Chromatographic characteristics of the retention of acetylene and cyclopropane derivatives on the polar liquid phase PEG-1500  
AU Kotel'nikova, T. A.; Garmash, A. V.; Ageev, E. P.  
CS Mosk. Gos. Univ., Moscow, USSR  
SO Vestnik Moskovskogo Universiteta, Seriya 2: Khimiya (1991), 32(3), 237-41  
CODEN: VMUKA5; ISSN: 0579-9384  
DT Journal  
LA Russian

L3 ANSWER 18 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1991:206627 CAPLUS  
DN 114:206627  
TI Cyclenes. 9. Regioselective coupling of ethynylcyclopropane units: hexaspiro[2.0.2.4.2.0.2.4.2.0.2.4]triaconta-7,9,17,19,27,29-hexayne  
AU De Meijere, Armin; Jaekel, Frank; Simon, Arndt; Borrman, Horst; Koehler, Jurgen; Johnels, Dan; Scott, Lawrence T.  
CS Inst. Org. Chem., Univ. Hamburg, Hamburg, D-2000/13, Germany  
SO Journal of the American Chemical Society (1991), 113(10), 3935-41  
CODEN: JACSAT; ISSN: 0002-7863  
DT Journal  
LA English  
OS CASREACT 114:206627

L3 ANSWER 19 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1988:211429 CAPLUS  
DN 108:211429  
TI Heats of combustion and formation of some compounds with acetylene bonding  
AU Pimenova, S. M.; Kozina, M. P.; Gal'chenko, G. L.; Siretskaya, T. V.; Takhistov, V. V.; Kuznetsova, T. S.; Proskurnina, M. V.; Kotelnikova, T. A.  
CS USSR  
SO Termodinam. Organ. Soed., Gor'kii (1986) 12-16  
From: Ref. Zh., Khim. 1987, Abstr. No. 23B3025  
DT Journal  
LA Russian

L3 ANSWER 20 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1981:550298 CAPLUS  
DN 95:150298  
TI Formation of unsaturated bicyclic  $\gamma$ -butyrolactone in the oxidative dimerization of 2-methyl-2-ethynylcyclopropanecarboxylic acid  
AU Shapiro, E. A.; Lun'kova, G. V.; Shtainshneider, A. Ya.; Dolgii, I. E.; Nefedov, O. M.  
CS Inst. Org. Khim. im. Zelinskogo, Moscow, USSR  
SO Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1981), (5), 1164-6  
CODEN: IASKA6; ISSN: 0002-3353  
DT Journal  
LA Russian

L3 ANSWER 21 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1979:557317 CAPLUS  
DN 91:157317  
TI Formation of 2-vinylcyclopropanecarboxylic acid esters in reactions of alkyl diazoacetates with gaseous butadiene and synthesis of 2-ethynylcyclopropanecarboxylic acid from them  
AU Dolgii, I. E.; Shapiro, E. A.; Nefedov, O. M.  
CS Inst. Org. Khim. im. Zelinskogo, Moscow, USSR  
SO Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1979), (6), 1282-6  
CODEN: IASKA6; ISSN: 0002-3353  
DT Journal  
LA Russian  
OS CASREACT 91:157317

L3 ANSWER 22 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1965:468252 CAPLUS  
DN 63:68252  
OREF 63:12536f-h  
TI N.M.R. (nuclear magnetic resonance) spectra of substituted cyclopropanes  
AU Vo-Quang, Liliane; Simonnin, Marie Paule  
CS Ecole Natl. Super. Chim., Paris, Fr.  
SO Bulletin de la Societe Chimique de France (1965), (5), 1534-8  
CODEN: BSCFAS; ISSN: 0037-8968  
DT Journal  
LA French

L3 ANSWER 23 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1965:445837 CAPLUS  
DN 63:45837  
OREF 63:8222g-h,8223a-h,8224a-c  
TI Dihaloethynylcyclopropane  
AU Vo-Quang, Liane; Cadot, Paul  
CS Ecole Natl. Super. Chim., Paris  
SO Bulletin de la Societe Chimique de France (1965), (5), 1418-24  
CODEN: BSCFAS; ISSN: 0037-8968  
DT Journal  
LA French

=>

---Logging off of STN---

=>

Executing the logoff script...

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	26.68	193.83

STN INTERNATIONAL LOGOFF AT 17:31:45 ON 11 SEP 2006

L3 ANSWER 8 OF 23 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1995:597863 CAPLUS <<LOGINID::20060911>>  
DN 123:285269  
TI Synthesis of alkenyl- and alkynylcyclopropenes  
AU Haley, Michael M.; Biggs, Bluegrass; Looney, Will A.; Gilbertson, Robert  
D.  
CS Dep. of Chemistry, Univ. of Oregon, Eugene, OR, 97403, USA  
SO Tetrahedron Letters (1995), 36(20), 3457-60  
CODEN: TELEAY; ISSN: 0040-4039  
PB Elsevier  
DT Journal  
LA English  
OS CASREACT 123:285269